Water-works (Continued)

Thatcher Constr. Co., 8 Marine Bldg., Toledo, O., (1a) $20,000 for laying; pipe at cost plus 10%; (1c) $45,000; (1e) $37,500. Thatcher & Breyman patent joint; other joint at 200-300 ft. intervals with Thatcher & Breyman joints at cost of joints plus 25%; Pitt Constr. Co., Fulton Bldg., Pittsburgh, Pa., (2) $211,235; (2a) $209,735; (2b) $195,485; Rice Constr. Co., Wyandotte, (2) $242,496; (2a) $238,496; (2b) $230,096; A. Bentley & Sons Co., 201 Belmont Ave., Toledo, O., (2) $249,350; (2a) $243,555; (2b) $233,505. Noted Dec. 19.

★**Okla., Lawton**—City let contract building filtration plant, to Selden-Breck Constr. Co., Fullerton Bldg., St. Louis, Mo. About $157,000.

★**N. B., St. John**—City let contract building water mains, to Bedford Constr. Co., East St. John. About $16,000.

Sewers

PROPOSED WORK

Conn., Bridgeport—City plans to build Black Rock intercepting sewer and laterals and auxiliary pumping station at Harborview Ave. and Gilman St. About $160,000 appropriated for project. J. A. McElroy, city engr.

Ga., Lagrange—See "Streets and Roads."

Mich., Ford—(Wyandotte P. O.)—Village had plans prepared by M. L. Brown & Son, engrs., 824 Chamber of Commerce Bldg., Detroit, trenching, laying pipe and backfilling complete sewerage system, involving 2022 ft. 24-33 in. concrete pipe, 49,663 ft. 8-22 in. vitr. pipe and 400 ft. 12 in. concrete outlet pipe to replace present outlet. About $150,000. Noted Dec. 19.

Ill., East St. Louis—See "Streets and Roads."

Ariz., Douglas—City plans election in February to vote on $100,000 bonds to build storm drain system. Olmsted & Gillelen, 1112 Hollingsworth Bldg., Los Angeles, Cal., engrs.

Wash., Spokane—City having plans prepared building downtown intercepting gravity sewer in Main Ave., from Lincoln to Stevens Sts., Stevens St., from Main to 1st Aves., 1st Ave. from Stevens to Howard Sts., Riverside Ave., from Stevens to Bernard Sts., Bernard St. from Riverside to Sprague Aves., Washington St., from Riverside to Sprague Aves. About $200,000. Work involves 4000 ft. 30-63 in. rein.-con. pipe and about 25,000 cu.yd. earth and rock excav. A. D. Butler, city engr.

Ore., Portland—City plans to build Peninsula Dist. sewerage system during 1919; 1st unit to cost $750,000, embracing Portsmouth, Piedmont, Kenton and Alberta Dists.; ultimate cost, $3,000,000. Sewers will also be laid in Glesan St. from 10th St. to Willamette River and in Quimby St.

Cal., Los Angeles—City plans to install vitr. or cement pipe sewers, brick manholes, junction chambers, lamp holes, etc., in 29 streets. About $140,250. W. T. Knowlton, sewer engr.

Que., Lachine—See "Industrial Works."

Ont., Hamilton—City plans to build storm sewers in various streets east of Ottawa St. About $117,000.

BIDS DESIRED

N. Y., Long Island City—Until Jan. 15, by M. Connolly, pres. Queens Boro., building sewers in 80th St. from Liberty to Atlantic Aves., Atlantic Ave. from 80th to 76th St., 76th St. from Atlantic to 93rd Aves., 93rd Ave. from 76th St. to Elderts Lane, Elderts Lane from 93rd to Jamaica Aves., 78th St. from Atlantic to Jamaica Aves. and Jamaica Ave. from Elderts Lane to the Crown, about 200 ft. east Elderts Lane, Queens and Brooklyn Boroughs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Ill., Warsaw**—City let contract building sewer, to J. J. Jobst, 1098 Jefferson St., Peoria. About $30,000.

★**Ia., Waterloo**—Waterloo Gasoline Engine Co., Miles St., let contract building storm sewers, to Blackhawk Constr. Co., 313 Lafayette Bldg. About $8000.

★**Ark., Morrilton**—Comrs. Sewer Dist. No. 2 let contract building sewer involving 15,900 lin.ft. vitr. pipe, 51 manholes, rein.-con septic tank, etc., to S. R. Morgan & Co., Little Rock. About $16,000. Noted Dec. 19.

★**Cal., Los Angeles**—Capital Issues Com. let contract building sewers in Main St. and Florence Ave. Sewer Dist. to M. Chutuk, 1506 Pleasant Ave., $32,200. Work involves 16,598 ft. 6 in., 18,852 ft. 8 in., 1310 ft. 10 in. and 2146 ft. 12 in. vitr. or concrete pipe, 78 6 x 12 in., 50 6 x 10 in. and 876 6 x 8 in. Y's, 796 6 in. bends, 41 brick manholes, 14 junction chambers, 16 flush tanks, 71 manhole covers and 16 manhole buckets. Noted Dec. 19.

★**Ont., Brantford**—See "Streets and Roads."

Bridges

PROPOSED WORK

Conn., Hartford—City had plans prepared building 300 ft. bridge, 10 ft. wide over New York, New Haven & Hartford R. R. yards, from North Front St. to Riverside Park. Cost between $40,000 and $60,000. R. W. Clark, city engr. New York, New Haven & Hartford R. R. will bear part of cost.

N. Y., Corning—Bd. Pub. Wks. having plans prepared for rein.-con. bridge over Chemung River at Pine St. About $160,000. W. O. Drake, comr.

N. Y., Watertown—City plans to rebuild Court St. bridge. About $300,000. City, New York Central R.R. and Black River Traction Co. will each bear ⅓ of cost. E. W. Sayles, city engr.

N. Y., Watertown—City plans election soon to vote on bond issue to build rein.-con. bridge over Black River on Pearl St., Sewalls Island. About $50,000. E. W. Sayles, city engr.

N. J., Jersey City—Hudson Co. Blvd. Comn. plans to paint and repair Central R. R. bridge over Hudson Co. Blvd., Pennsylvania R. R. bridge over Hudson Co. Blvd. and Park Ave. viaduct; also open 2 dead ends of streets in Bayonne that run into Boulevard. About $16,000.

N. J., Trenton—See "Streets and Roads."

Pa., New Castle—Lawrence Co. soon lets contract building 1 through span steel bridge, 218 ft. long, 38 ft. roadway, over Neshannock Creek on Mill St. J. R. Lamoree, co. clk.

Pa., Phila.—City receives bids about Mar. 1, building rein.-con. bridge over Schuylkill River. About $800,000. C. E. Albright, city engr.

Pa., Pittsburgh—City plans to build bridge over 33rd St. on Bigelow Blvd. About $12,000. N. S. Sprague, city engr.

W. Va., Fairmont—Baltimore & Ohio R.R., Baltimore, Md., plans to build steel approach on solid concrete base, to present bridge over Monongahela River, here. About $30,000. J. H. Lang, Baltimore, Md., asst. engr.

O., Youngstown—City had preliminary plans prepared building 3100 ft. concrete viaduct with steel spans, 60 ft. wide, over river and railroad tracks, on Division St. About $1,000,000. New York Central Lines, Erie and Pennsylvania Railroads will be asked to appropriate toward cost. F. M. Lillie, city engr.

O., Youngstown—City having plans prepared building 1500 ft. steel bridge, 60 ft. wide, over tracks and yards of Baltimore & Ohio, Pennsylvania and Lake Erie & Eastern Railroads from Forest Ave. to Tube St. F. M. Lillie, city engr.

Mich., Detroit—City had plans prepared building 2200 ft. steel framed cantilever type bridge from Grand Blvd. to Belle Isle, 55 ft. wide, rein.-con. floors, to consist of 19 spans; middle roadway 29 ft. wide with 12 ft. sidewalk on each side. About $2,751,000. M. E. Cooley, Ann Arbor, engr.

Kan., Girard—Crawford Co. soon lets contract building rein.-con. bridge over Cow Creek near Pittsburg, to include 2 rein.-con. abutments, 2 rein.-con. piers and three 54 ft. rein.-con. girder spans. C. C. Everitt, clk.

Kan., St. Johns—Stafford Co. soon lets contract building 7 bridges. K. Harris, clk. Noted Nov. 7.

Wash., Spokane—City having preliminary plans prepared for bridge over Hangman Creek on West Riverside Ave., to have 400 ft. fill. Will use steel from dismantled Monroe St. bridge. Retaining walls and piers to cost $25,000. L. Funk, comr.

Wash., Yakima—See "Streets and Roads."

Ont., Hawkesbury—Dept. Pub. Wks., Ottawa, plans to build bridge here. About $30,000.

Ont., Ottawa—City plans to issue $150,000 debentures to build bridge over Rideau Canal at Somerset St.

BIDS DESIRED

Kan., Wichita—See "Streets and Roads."

Nev., Fallon—Until Jan. 27, by State Highway Dept., State Printing Office Bldg., Carson City, building 87 ft. bridge over Truckee Carson Canal near here, involving 175 cu.yd. excav., 504 lin.ft. concrete piles, 126 cu.yd. Class A concrete and 202 lin.ft. iron pipe railing; also 162 ft. bridge over Carson River, Churchill Co., involving 20 cu.yd. excav., 824 lin.ft. rein.-con. piles, 52.5 cu.yd. Class A precase concrete, 134.2 cu.yd. Class A concrete in place and 324 lin.ft. iron pipe railing.

Nev., Winnemucca—Until Jan. 27, by State Highway Comn., State Printing Office Bldg., Carson City, building 144 ft. bridge over Humboldt River, Humboldt Co., involving 20 cu.yd excav., 1000 lin.ft. concrete piles, 46.7 cu.yd. Class A precase concrete, 107 cu.yd. Class A concrete, 288 lin. ft. iron pipe railing, etc.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract.)

★**N. J., New Brunswick**—Bd. Freeholders Middlesex Co. let contract building electric lift drawbridge over Delaware and Raritan canal, to Linde & Griffith, foot 4th Ave., Newark, $128,575. Noted Dec. 12.

★**Okla., El Reno**—Canadian Co. let contract building 7 bridges, to G. M. Stone. About $12,580.

Structural Steel

PROPOSED WORK

Pa., New Castle—See "Bridges."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract.)

N. Y., Binghamton—See "Miscellaneous."

Reinforced Concrete

PROPOSED WORK

N. Y., Long Island City—See "Industrial Works."

N. Y., Phoenix—See "Industrial Works."

N. Y., Watertown—See "Bridges."

Pa., Phila.—See "Bridges."

Ill., Chicago—See "Buildings."

Kan., Girard—See "Bridges."

Neb., Omaha—See "Industrial Works."

Tex., San Antonio—See "Industrial Works."

Ariz., Flagstaff—See "Industrial Works."

Wash., Spokane—See "Sewers."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Plymouth**—See "Industrial Works."

★**Conn., New Britain**—See "Industrial Works."

★**Cal., Sacramento**—See "Industrial Works."

Streets and Roads

PROPOSED WORK

Conn., Hartford—City plans to pave various streets with sheet asphalt, 2¼ mi. long, 30-40 ft. wide. R. W. Clark, city engrs.

N. Y., Lockport—City had plans prepared improving 1.13 mi. Gooding and West Jackson Sts. from Grant St. to city line, brick and Hillside brick on all grades over 5% and concrete on grades less than 5%. J. F. Freshee, city engr.

N. Y., Rochester—See "Miscellaneous."

N. Y., Watertown—Bd. Pub. Wks. having plans prepared improving Brainard, Rutland, Massey, Cadwell and Gotham Sts. and Clinton Ave., bituminous macadam. About $20,800. E. W. Sayles, city engr.

N. J., Hackensack—Bd. Freeholders Bergen Co., having plans prepared by R P. McClave, engr., improving Bullsbury Rd., Fairview.

N. J., Jersey City—See "Bridges."

N. J., North Bergen—Town soon receives bids improving 23rd, Hill and Savage Sts. S. Maulbeck, 927 Union St., engr. Noted June 20.

N. J., Secaucus—Town plans to improve Front St. About $10,000.

Streets and Roads (Continued)

N. J., Trenton—Mercer Co. (Trenton) and Monmouth Co. (Freehold) having plans prepared by H. F. Harris, co engr., 759 Stuyvesant Ave., improving 6½ mi. gravel road, 18 ft. wide, from Hightstown to Red Bank. G. D. Cooke, engr., Red Bank, preparing plans for bridges.

Ga., Lagrange—City plans to issue $70,000 bonds to pave and build sewers in various streets. S. Sargent, city engr.

Ga., Macon—Bibb Co. (Macon), and Macon Co., (Montezuma), plan to issue $1,200,000 bonds to build roads, schools and courthouse.

La., Franklinton—Washington Co. voted $500,000 bonds to build roads.

O., Dayton—Montgomery Co. having plans prepared by S. R. Sharts, co. engr., building brick, concrete or macadam roads to include 2.64 mi. Dayton-Chillicothe Pike 16 ft. wide, cost, $50,000; 3.25 mi. Cincinnati Pike, 16 ft. wide, $95,000; 6 mi. Eaton Pike, 16 ft. wide, $180,000.

O., Youngstown—City plans to repave 1700 ft. Market St., from La Clede Ave. to Southern Blvd., 36 ft. wide, cost $17,000; 2050 ft. Market St., from Warren St. to La Clede Ave., 36 ft. wide, $20,000. F. M. Lillie, city engr.

Mich., Pontiac—City receives bids about Apr. 1, grading and paving Henry Clay Ave. from Frank Blvd. to Green St., rein.-con. About $11,427. H. H. Barnett, city engr. Noted Jan. 2.

Illinois—State Highway Comn., Springfield, having plans and surveys made building and improving 600 mi. road. Plans include 98 mi. Lincoln Highway, 65 mi. Dixie Highway, 15 mi. Chicago-Waukegan Rd., 200 mi. Chicago Springfield Rd., 91 mi. road from Springfield to East St. Louis and 131 mi. Natl. Trail. Noted Nov. 28.

Ill., Danville—Vermilion Co. plans to widen 5 mi. of existing 10 ft. brick pavement to 18 ft. on Sects. A and D, of Dixie Highway north of here. About $70,000. H. E. Bilger, Springfield, rd. engr.

Ill., East St. Louis—War Civics Com. plans to expend $1,000,000 to improve streets and sewers, eliminate grade crossings and build comunity centres, etc. H. Bartholomew, Federal Bldg., city engr.

Ill., Springfield—City having plans prepared by W. Seeley, city engr., for 65 block wood block pavement in down town district, brick pavement on 6th St., from North to South Grand Ave., also brick pavement, on several residential blocks, etc. Cost between $300,000 and $400,000.

Ill., Woodstock—Div. Highways, Dept. Pub. Wks. & Bldgs., receives bids in spring building ¾ mi. road on Route 15, southwest of here and ¾ mi. on Route 17, northeast of Harvard, 15 ft. wide, McHenry Co. About $24,000. H. E. Bilger, Springfield, rd. engr.

Wis., Milwaukee—City Planning Comn. will soon submit plan to City Council for connecting Highland Park Blvd. and Grand Ave. with 80 ft. driveway and bridge over Watertown Plank Rd. G. Staal, city engr.

Wis., Racine—Racine Co. plans to build 12th St. Rd., east from west line of Yorkville Twp., 16 ft. wide, cost, $57,000; 12th St. Rd. west from Beaumont Rd., 16 ft. wide, $28,318; 12th St. Rd. west from east line of Yorkville Twp., 16 ft. wide, $10,000; all concrete.

Ia., Atlantic—Comrs. Cass Co. plan to build White Poll Rd. About $44,000. State and Federal Government will appropriate toward cost.

Minn., Alexandria——Douglas Co. soon receives bids building Federal Aid Project No. 27, 16 mi. highway involving 144,543 cu.yd. excav., 19,001 cu.yd. loading and hauling surfacing materials, culverts, etc.; also State Rd. No. 1, involving 29,812 cu.yd. excav., 3284 cu.yd. loading and hauling gravel surfacing materials, culverts, etc. C. T Jensen, co. aud.

Minn., Duluth—Comrs. St. Louis Co. plan to build 10 county roads. About $20,000 has been appropriated for project. R. W. Acton, co. engr.

Minn., St. Paul—City plans to pave Concord Ave. from South Park St. to city limits. About $200,000. J. R. Stevenson, city clk.

Kan., Dodge City—Ford Co. having plans prepared by Ruckel Eng. Co., engrs., Garden City, paving 11 mi. Santa Fe Trail from here to Gray Co. line, monolithic brick, 20 ft. wide. H. N. Kinkhead, clk.

Kan., Girard—Comrs. Crawford Co. having plans prepared by W. J. Arnold, engr., for 11 mi. hard surface roads. C. C. Everett, city clk.

Kan., Hutchinson—Reno Co. having surveys made for 54 mi. brick highways; cost, $1,404,000; plans include 20 mi. road from here to Sterling. G. L. McLane, city engr.

Ark., Walnut Ridge—Lawrence Co. had preliminary plans prepared for 10.48 mi. road from here to Sedgwick, waterbound macadam, concrete culverts and bridges. About $96,058. F. A. Pritchell, Walnut Ridge, engr.

Tex., Columbus—Colorado Co. had plans prepared building road through county to be known as Houston-San Antonio Highway. About $300,885 available for project.

Tex., McKinney—Collin Co., Plano Rd. Dist., plans to hold election Jan. 25 to vote on bonds to build roads; also plans to issue $200,000 bonds to build roads in Clear Lake Dist.

Tex., Rockwall—Rockwall Co. plans election to vote on $500,000 bonds to build roads.

Tex., Snyder—Scurry Co. having plans prepared by H. E. Elrod, archt., Interurban Bldg., Dallas, for 125 mi. graveled road. About $200,000 available. Noted Dec. 19.

Colorado—State Highway Comn., State Museum Bldg., Denver, soon receives bids building roads in following counties:

El Paso Co., 1½ mi. road near Colorado Springs, cost, $31,000.

Pueblo Co., 2 mi. road near Pueblo on Sante Fe Trail, $44,000.

Boulder Co., 1 mi. road near Boulder and Longmont, $20,000.

Summit Co., 15 mi. Blue River Rd., $13,000.

Logan Co., ½ mi. road near Sterling. $11,000.

Morgan Co., ½ mi. road east of Ft. Morgan, $11,000.

Weld Co., 1 mi. road south of Greeley, $21,000.

Otero Co., 1 mi. road near Rocky Ford and La Junta, $22,000.

Adams Co., 2 mi. concrete road or concrete base with some other material between Denver and Brighton, $43,000.

Delta Co., ½ mi. concrete road or concrete base with some other material at Delta, $11,000.

Mesa Co., ½ mi. concrete road or concrete base with some other material at Grand Junction, $11,000.

Montrose Co., ½ mi. road at Montrose, $11,000.

Huerfano and Las Animas Counties, grading and surfacing 60 mi. road between Pueblo and Trinidad, $330,000.

Ouray Co., rock work and grading 2 mi. Red Mountain Rd., $18,000.

Larimer Co., rock and earth grading 20 mi. Big Thompson Canon Rd., 16 ft. wide, $90,000. J. E. Maloney, Denver, engr.

Wash., Spokane—Comrs. Yakima Co. had plans prepared for 3½ mi. road, from Sunnyside to Outlook, cost $80,000; also 3½ mi., from Parker to Pilands bridge, $60,000.

Wash., Yakima—Comrs. Yakima Co. soon let contract grading and hard surfacing 7½ mi. road to Naches, cost $225,000. Bids for several concrete culverts will be called for separately.

Oregon—State Highway Comn., Salem, plans to expend $125,000 for Roseburg-Myrtle Rd., Coos and Douglas Counties, cost, $125,000; also build road from Port Orford to Brush Creek, Port Orford Co., $85,000.

Oregon—State Highway Comn., Room 1301 Yeon Bldg., Portland, soon lets contract grading 6.4 mi. Columbia River Highway between Hood River and Mosier, involving 266,027 cu.yd. earth excav. and 200 ft. of tunnel, paving 18 mi. Pacific Highway between Salem and Aurora, involving 169,000 sq.yd. pavement; also grading 1 mi. Columbia River Highway in Gilliam Co. from Blalock to Arlington. About $700,000. Noted Dec. 26.

Ore., Oregon City—Clackamas Co. plans to build Pacific Highway between Multnomah Co. line and west end of suspension bridge. About $35,000.

Ore., Portland—City had plans prepared extending Overlook Blvd. from north line of Skidmore St. to south line of Griswold Ave., 1000 ft. long, 60 ft. wide. O. Laurgaard, city engr.

Cal., Los Angeles—City plans to lay asphalt and concrete paving and build granite block and concrete gutters, cement curbs and cement walks on 31 streets and alleys, total length 45,819 lin.ft. About $280,982. A C. Hansen, city engr.

Que., Lachine—See "Industrial Works."

Ont., Hamilton—City plans to pave roads. About $227,000. E. R. Gray, engr.

Ont., London—City plans to build roads. About $400,000. S. Baker, clk.

Man., Swan River—City plans to repair roads. About $108,000. J. Armstrong, clk.

BIDS DESIRED

N. Y., New York—Until Jan. 16, by H. Bruckner, pres. Bronx Boro., repairing with asphalt block pavement and resetting curb where necessary throughout Bronx Boro.

S. C., Charleston—Until Jan. 21, by J. H. Dingle, city engr., for 20,000 sq.yd. sheet asphalt pavement; advertised in this issue.

Indiana—By Bd. Co. Comrs. building roads in following counties:

Jan. 15, Marion Co., Indianapolis, gravel road between Wayne, Washington and Pike Twps; L. K. Fesler, aud.

Feb. 5, Carroll and Cass Counties, Delphi, gravel road on Caroll-Cass county line; H. D. Good, aud.

Kan., Wichita—Until Feb. 3, by H. M. Barrett, clk., Sedgwick Co., grading, draining and surfacing Central Ave. Rd. with 18 ft. concrete pavement. Plans include 46 bridges and culverts. About $250,000. M. Roseberry, co. engr. Noted Dec. 19.

Tex., Brownwood—Until Jan. 13, by Brown Co., building highway No. 2 R. E. Lee, co. judge.

Nevada—Until Jan. 27; by State Highway Comn., State Printing Office Bldg., Carson City, building 4.16 mi. road between Bulkhead and Hudson Aurora Rd., Route 3, Lyon Co. Work involves 13,500 cu.yd. excav., 320 cu.yd. Class A concrete, 20 cu. yd. Class B concrete, 442 lin.ft. 15-24 in. corrugated metal pipe, etc.

California—Until Jan. 13, by State Highway Comn., Forum Bldg., Sacramento, grading 15.2 mi. road and paving 11.4 mi. road, Portland cement concrete, between Tecate Divide and easterly boundary, San Diego Co., involving 66,000 cu.yd. excav., 11,140 cu.yd. Class A Portland cement concrete pavement, 390 cu.yd. Class A Portland cement concrete for culverts and monuments, 2949 lin.ft. 18-30 in. corrugated metal pipe. A. B. Fletcher, engr. Noted Nov. 21.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★N. J., Bayonne—City let contract improving Ave. C and 19th St., to Culligan & Machansky, 473 Bway., $44,830. Work involves 100 sq.yd. new concrete base, 1000 sq.yd. dressing down old concrete base, 7000 sq.yd. asphalt pavement, etc. Noted Nov. 14.

W. Va., Huntington—Cabell Co. received only bid paving 2.32 mi. road from Milton to Putnam Co. line and 3300 ft. stretch in Barboursville, 16 ft. wide on 5 in. concrete base, from Harrison & Dean, 322½ 9th St., $0.60 per cu.yd. for excav., $0.85 sq.yd. for paving, $0.15 per lin.ft. for low curbing and $0.18 per lin.ft. for high curbing.

S. C., Charleston—Sanitary & Drainage Comn. received bids grading and paving 3.7 mi. road, 20 ft. wide, 8 in. center and 6 in. sides, from Simons & Mayrant Co., Peoples Bldg., $3.13 per sq.yd.; Charleston Eng. Co., 58 Broad St., $3.41 per sq.yd.; Waterfront Foundation Co., Broad St., $3.67 per sq.yd. Work involves 35,000-58,000 sq.yd. concrete. Noted Dec. 26.

★Ala., Wedowee—Randolph Co. let contract building 20 mi. road between here and Rock Mills, to Stanley & Singer, Lafayette.

★Okla., Hominy—City let contract paving various streets, to J. Stanton, 6th and Kiowa Sts., Leavenworth, Kansas. About $108,000. Noted Dec. 28.

★Okla., Miami—City let contract paving 2nd, 3rd, Main and H Sts., asphaltic concrete, to F. P. McCormick, Tulsa, $61,790.

★Wash., Seattle—City let contract regrading approaches on 10th Ave. N. E. and 40th St., and building concrete retaining wall, etc., to Stewart Constr. Co., Amer. Bank Bldg., $59,882. Work involves 775 lin.ft. armored concrete, 16,350 cu.yd. earth excav., 55,000 lb. reinforcing steel, 635 sq. yd. replaced asphalt and 295 sq.yd. 6 in. concrete base. Noted Jan. 2.

★Cal., Los Angeles—City let contract paving Fountain Ave. to E. Schelling, 4316 Figueroa St., $11,071. Work involves 55,732 sq.ft. rough grading at $0.03 per sq.ft.; 55,732 sq.ft. finish grading, oiling and rolling, 0.05 per sq.ft.; 3772 lin.ft. cement curbs, $0.42 per lin.ft.; 19,860 sq.ft. cement walks, $0.15 per sq.ft.; 8681 sq.ft. concrete gutters, $0.20 per sq.ft.; rein.-con. culverts and catch basin, $200.

Streets and Roads (Continued)

★**Cal., Visalia**—Tulare Co. let contract grading 6½ mi. highway from Porterville to 1 mi. north of Poplar, to A. F. Shafer, Bakersfield. About $65,000; grading $0.50 per cu.yd.; concrete paving $4.69 per cu.yd. Noted Dec. 19.

★**Cal., Visalia**—Tulare Co. let contract grading and building 4 in. concrete pavement with oil surface on 1½ mi. south division of county highway in Lindsay, 15 ft. wide, to Concrete Pipe & Constr. Co., Porterville, $0.80 per cu.yd. grading and $4.50 per cu.yd. concrete work. Noted Dec. 12.

★**Cal., Visalia**—Tulare Co. let contract grading and building culverts along 8 mi. Dry-Creek-Quail Flat Rd., to J. W. Lovelace, Visalia, $12,887.

★**Ont., Brantford**—Lansdowne Park Co., Lansdowne Park, let contract building walks and sewers, to Johnson Bros., Market St. About $80,000.

Railways

PROPOSED WORK

New York—Black River Traction Co., 753 West Main St., plans to issue $300,000 bonds; part of proceeds will be used to build extension to line forming belt line from Pearl St. through Starbuck Ave., then back to West Main St.; also double tracking line through Public Sq. down Court St. to Main-Leroy St. switch, etc. L. Schwerzman, genl. mgr.

Maryland—United Rys. & Electric Co., Continental Bldg., Baltimore, plans to build new street car route to Sparrows Point to serve northeastern section of city. W. W. Wyser, engr.

West Virginia—Kanawha & Michigan Ry. plans to build terminal facilities at Charleston to be used jointly by itself, Coal & Coke and Chesapeake & Ohio Railways; also remodel and eniarge roundhouse and shop of Coal & Coke Ry. About $75,000. The company will install 90 ft. double-track cinder pit and 80 ft. turntable. C. M. McVay, Charleston, ch. engr.

Ontario—Brantford Municipal Ry., 303 Colborne St., Brantford, plans to vote on $125,000 bonds to extend and improve railway system in Brantford. H. F. Leonard, city clk.

Ontario—Grand Trunk R. R., McGill St., Montreal, Que., plans to build 20 mi. line from Algoma to Cutler and repair road towards Sault Ste. Marie. H. R. Safford, Montreal, Que., ch. engr.

British Columbia—Canadian Pacific Ry., Union Sta., Toronto, Ont., having plans prepared by C. T. McNaoo, engr., Revelstoke, for extending line at Kelowna. About $25,000. A. F. Stewart, Toronto, ch. engr.

Excavation and Dredging

PROPOSED WORK

N. Y., Albany—Barge Canal Works—W. W. Wotherspoon, supt. pub. wks., soon receives bids driving steel sheet piling, placing concrete lining and incidental work between Rochester and Lockport, Contr. No. 200, cost, $257,993. Work involves 5300 cu.yd. earth excav., 770 cu.yd. earth fill, 2900 cu.yd. mass concrete, 460 lb. steel, 22,000 ft. timber, 2300 sq.ft. ¼ in. steel sheet piling, 77,000 sq.ft. ⅜ in. steel sheet piling, 79,300 sq.ft. driving steel sheet piling, 500 cu.yd. wash wall, 22,700 sq.ft. tar felt waterproofing, 730 cu.ft. removing concrete, coffer dams, etc.; completing canal from Kings Bend to Lehigh Valley R.R. crossing at Rochester, Contr. No. 190, cost, $284,753. Work involves 61,000 cu.yd. earth excav., 20,000 cu.yd. earth fill, 875 cu.yd. mass concrete, 640 lin.ft. wood piling, 420 lin.ft. 12 in. tile, 52,400 cu.yd. wash wall, 620 cu.yd. lining, 1100 lin.ft. wooden fence, 1000 lin.ft. raising, aligning and painting existing fence, etc.; completing concrete prism lining at Cartersville and building stream entrance near Knapps bridge, Contr. No. 201; cost, $48,455. Work involves 8870 cu.yd. earth excav., 3960 cu.yd. earth fill, 2400 cu.yd. mass concrete, 3220 sq.yd. concrete excav., 160 cu.yd. 3rd class riprap, 360 cu.yd. wash wall, 2250 sq.ft. wire mesh reinforcement, 50 lin.ft. cutting steel sheet piling, etc.

In., Jefferson—Ditch—Comrs. Green Co. (Jefferson) and Calhoun Co. (Rockwell City) rejected bids building Joint D. D. No. 8, Greene Co. and No. 55 Calhoun Co. involving 21,400 ft. 16-38 in tile. B. S. McCully, co. aud. Noted Dec. 19.

Minn., Marshall—Ditch—Comrs. Lyon Co. (Marshall) and Yellow Medicine Co. (Granite Falls) had plans prepared by F. D. Minium, engr., New Ulm, building judicial ditch 25 mi. long, 8-28 ft. wide at bottom, 8-24 ft. deep. Work involves 6-42 in. tile and 2,750,000 cu.yd. floating dredge and dry land excav. About $745,360.

Mo., Grant City—Excavation—Worth Co. D. D. No. 1 had plans prepared excavating 13 mi. drainage ditch in Worth Co. Work to be done by drag line or floating dredge. About $175,000. Address W. C. Okey, Grant City. C. E. Jacoby Eng. Co., 527 Shukert Bldg., Kansas City, engrs.

Mo., Kirksville—Ditch—Bd. Supervs. Adair Salt River D.D. rejected bids received Dec. 16 building 5½ mi. drainage ditch. J. E. Bonnell, Brockton, Ill., ch. engr. Noted Dec. 12.

Mo., Richmond—Drainage—Keeney Creek D. D. had plans prepared for drainage ditch, levees and flood in Say Co. Work to be done by floating dredge or drag line. About $150,000. C. Pigg, Orrick, secy. C. E. Jacoby Eng. Co., 527 Shukert Bldg., Kansas City, engrs.

Mo., Richmond—Drainage—Ray D. D. plans to build 7 mi. drainage ditch, levees and flood way in Ray Co. About $225,000. Address W. Esslinger, Hardin. C. E. Jacoby Eng. Co., 527 Shukert Bldg., Kansas City, engrs.

Wash., Newport—Irrigation—Pend Orielle Irrigation Dist. plans to irrigate between 2,500,000 and 3,000,000 acres of land with waters of Pend Orielle River. About $250,000,000. Project includes 18 mi. tunnel.

BIDS DESIRED

Ga., Carnesville—Drainage—Until Jan. 15, by Comrs. Middle River Dist., Franklin Co. for drainage system involving 1,000,000 cu.yd. excav. W. R. Little, secy.

S. D. Madison—Ditch—Until Jan. 27, by L. F. Hartwick, aud. Lake Co. building Ditch No. 20, involving 600 ft. open ditch, 14,550 ft. 6-18 in. tile. M. Cosgrove, chn.

Utah, Delta—Excavation—Until Jan. 13, by Millard Co. D. D. No. 3, furnishing and laying 2,800,000 lin.ft. drain tile, digging 2,800,000 ft. drain tile trench and 1,380,000 cu.yd. excav. for open drain. M. A. Abbott, secy. Caldwell & Richards, 520 Vermont Bldg., Salt Lake City, engrs.

Cal., El Centro—Irrigation—Until Jan. 22, by Dirs. Imperial Irrigation Dist., Masonic Temple, building rein.-con. headgate structure at Sharps Heading, 9 mi. southeast of Calexico. F. H. McIver, secy. Los Angeles Bd. Pub. Wks. Noted Sept. 26.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Minn., Olivia**—Ditch—Comrs. Renville Co. (Olivia), Chippewa Co. (Montevideo) and Kandiyohi Co. (Willmar) let contract building Judicial Ditch No. 21, to Olson & Johnson, Minneapolis, $17,404. Work involves 32,200 ft. 6-22 in. tile.

★**Mo., Caruthersville**—Excavation—Pemiscot Co., D. D. No. 8, let contract improving and extending old drainage system, to R. M. and G. A. McWilliams, 1527 McCormick Bldg., Chicago, $0.12 per cu.yd. Work includes building 27 mi. of main ditch from 8-15 ft. deep, 30-70 ft. wide at bottom and from 8-10 ft. deep and involves 3,086,600 cu.yd. dry earth excav. Noted Sept. 12.

★**Ark., Arkadelphia**—Ditch—Ross D. D., Clark Co., let contract building 2 ditches, to Sternberg Bros., Natl. Bank of Commerce Bldg., St. Louis. About $200,000. Work involves 31 mi. open ditches and 1,705,200 cu.yd. floating dredgework. Noted Dec. 5, 1918.

★**Tex., Beaumont**—Dredging, etc.—C. L. Scherer, city engr., let contract for 12,000 yd. dredging and 500 ft. concrete quay wall, to J. Jacobson, Beaumont. Noted Dec. 26.

Industrial Works

PROPOSED WORK

Me., Portland—D. E. McCann & Sons, 63 Preble St., plan to rebuild garage and machine shop. About $60,000.

N. Y., Binghamton—City plans to purchase rock-bottom dam and power site and build lighting plant and install equipment. About $100,000. W. E. Weller, city engr.

N. Y., Long Island City—White Co., Park Ave. and 57th St., New York City, having preliminary plans prepared by Watson Eng. Co., engrs., 1101 Hippodrome Bldg., Cleveland, for 1½ story, 200 x 600 ft., rein.-con. factory, rein.-con. flooring, concrete foundation, on Thompson, Nott, Mount and School Sts., here. About $500,000.

N. Y., Phoenix—Sweet Paper Co. plans to build rein.-con. machine room to replace one destroyed by fire. Cost betwen $75,000 and $85,000.

N. J., Bound Brook—A. A. Marlow & Sons plan to build liquid sulphur dioxide and chemical plant.

Pa., Marietta—See "Contracts Awarded."

Pa., Phila.—Snyder & Co., 134 North 10th St., soon receives bids building 5-story, 31 x 105 ft., brick and terra cotta warehouse and show room. About $50,000.

Va., Norfolk—I. Fass, foot of Water St., Portsmouth, soon lets contract for building and equipping 1 story, 111 x 115 ft. brick ice and cold storage plant. About $125,000. Noted Dec. 19.

W. Va., Charleston—See "Railways."

N. C., Asheville—City plans to build abattoir. About $30,000. B. M. Lee, city engr.

Ga., Atlanta—R. C. Turner, city electrician, remommended that city issue $70,000 bonds to build electric light plant. H. L. Collier, city engr.

Mich., Ironwood—M. P. Jacobsen & Co., 17 West South Water St., Chicago, having plans prepared by C. J. Anderson, archt., Ironwood, building 2 story, brick and rein.-con. storage and sales building here. About $30,000.

Ill., Chicago—Pennsylvania Ry., Union Sta., having plans prepared by R. G. Pierce, archt., 10 South La Salle St., building 2-story, 50 x 90 ft. brick and rein.-con. machine shop, rein.-con. flooring and concrete foundation on 14th St. and Pennsylvania tracks. About $40,000. E. R. Barry, div. engr.

Ill., Chicago—Wisconsin Steel Co., 606 South Michigan Ave., plans to build by-products plant to include 88 oven coke plant, one 500,000 and two 1,000,000 gal. storage tanks and 5 small brick and concrete buildings. Cost over $2,000,000. Contract for foundations for buildings let to Sumner-Sollitt Co., 79 East Adams St.

Wis., Milwaukee—P. Schwab Co., 16th and Canal St., receives bids in March building 2 story, 50 x 150 ft. rein.-con., steel and brick factory, brick foundation. About $30,000.

Ia., Clinton—Klein Paper Co., 19th Ave. and 5th St., had plans prepared by J. Morrill Co., archts., Howes Blk., for brick and steel paper mill. About $100,000. Noted Aug. 1.

Minn., Hibbing—Hibbing Electric Light Co., plans to build 2 story, rein.-con., brick and steel plant south of Great Northern R.R. tracks. About $400,000. C. Foster, mgr.

Minn., Minneapolis—See "Buildings."

Minn., Winnebago—F. Duncanson having plans prepared by W. F. Keefe, archt., 1192 Portland Ave., St. Paul, building 2 story, 50 x 200 ft., rein.-con. and brick warehouse. About $50,000.

Kan., Atchison—Bailor Plow Co., 13th and Utah St., plans to build new factory. About $250,000. E. V. Jones, secy.

Neb., Lakeside—Omaha Potash & Refining Co. plans to build plant 20 mi. south of here. About $500,000.

Neb., Omaha—Skinner Mfg. Co., 14th and Jackson Sts., having plans prepared by H. Lawrie, archt., 619 Paxton Blk., building 6 story, 132 x 132 ft., rein.-con. manufacturing plant on 13th and Jackson Sts. P. F. Skinner, pres.

Mo., St. Louis—Hussmann Refrigerator Co., 911 North Bway., receives bids about Mar. 1, for 1 story, 130 x 200 ft. brick, concrete and steel factory, rein.-con. flooring and concrete foundation on Leffingwell Ave. and North Market St. About $50,000. H. J. Schulte, 1517 North 23rd St., archt.

Tex., Bay City—Broun & Powell, Henrietta, plan to build 10 stand cotton gin. About $30,000.

Tex., Dallas—Star Cash Stores Co., 3003 Elm St., soon lets contract building 2-story, 50 x 165 ft., concrete and brick warehouse on Marilla, Pearl and Taylor Sts. About $25,000. F. J. Woerner, Sumpter Bldg., archt.

Tex., San Antonio—Allensworth—Carnahan Co., 117 Military Plaza, plans to build 2 or 3 story, rein.-con. warehouse. Cost between $25,000 and $35,000. W. E. Simpson, 516 Hicks Bldg., engr.

Industrial Works (Continued)

Ariz., Flagstaff—T. E. Pollock having plans prepared by Lescher & Klubey, archts., Bank of Arizona Bldg., Phoenix, for 1 story, 175 x 175 ft. rein.-con. warehouse. About $100,000.

Ore., Crane—See "Miscellaneous."

Que., Chicoutimi—Price Bros. & Co., 56 St. Peter St., Quebec, plans to build pulp mill here. About $1,000,000. W. Price, 145 Grand Alee, Quebec, pres.

Que., Lachine—Municipal Council plans to improve electric light system, complete paving on St. Joseph St. extend aqueduct and sewers, etc. E. Luduc, secy. and treas.

Ont., Elora—Elora White Lime Co. plans to build crusher plant. About $60,000.

Ont., Sandwich—Dominion Forge & Stamping Co., Walkerville, will have plans prepared for plant. About $150,000. W. Herdegen, mgr.

Ont., Strathroy—Dominion Canners having plans prepared building brick plant. About $150,000.

Ont., Toronto—Canadian Wood Products Co., 1000 Gerrard St., E., having plans prepared building 2 story, brick factory. About $60,000.

Ont., Windsor—Flexible Metallic Packing Co., Adrian, Mich., plans to build plant here on McDougal Ave. About $80,000. W. A. Leitch, 269 Victoria Rd., local supt.

B. C., Smithers—Bulkley Valley Farmers' Institute plans to build flour mill and warehouse here. About $60,000. A. Croteau, Telkwa, secy.

B. C., Vancouver—Morrison Steel & Wire Co., Hawkes St., having plans prepared for rebuilding plant destroyed by fire. Loss, $100,000.

BIDS DESIRED

Va., Norfolk—Until Jan. 15, by B. Mitchell, archt., Seaboard Natl. Bank Bldg., building 1 and 2 story plant near Berkley St., consisting of 4 buildings, for Norfolk Glass Mfg. Co., 564 Church St. About $200,000. Noted Dec. 26.

Mich., Detroit—Until Jan. 12, by P. R. Rossello, archt., 406-7 Congress Bldg., building 4-story, 80 x 80 ft. brick and rein.-con. factory, rein.-con. flooring and concrete foundation on Learned and 3rd Sts., for N. Rosen, 1121 Seminole Ave. Noted Dec. 12.

PRICES AND CONTRACTS AWARDED

(★Indicatates award of contract)

★**Mass., Plymouth**—Amer. Woolen Co., 245 State St., Boston, let contract building 4 story, 50 x 102 ft., rein.-con. addition to Puritan Mills here, to Turner Constr. Co., 244 Madison Ave., New York City.

★**Conn., New Britain**—Stanley Rule & Level Co., 111 Elm St., let contract building 1 story, 100 x 300 ft., rein.-con. storage building, rein.-con. flooring and concrete foundation, on Berlin Ave., to J. H. Grozier Co., 721 Main St., Hartford. About $95,000.

★**N. Y., New York**—Bordens Condensed Milk Co., 108 Hudson St., let contract building 2 story, 60 x 79 ft., steel and brick garage, rein.-con. flooring, concrete foundation, at 15-21 Renwick St., to Miller Reed Co., 103 Park Ave. About $38,000.

★**N. J., Jersey City**—Central R. R. of New Jersey, 143 Liberty St., New York City, let contract building 2 concrete thawing houses in yard here, to Pre Cast Concrete Co., 1270 Bway., New York City; cost plus 10 per cent.

★**Pa., Marietta**—Pennsylvania R. R., Broad St. Sta., Phila., let contract building foundation for engine house and shops here, to J. Goll & Son, 1539 Filbert St., Phila. Bids for superstructure will be received about Feb. 15. Total cost, $500,000. Noted Oct. 3.

★**Md., Baltimore**—M. McI. Dukehart & Co., 641 Light St., let contract building 1 and 2 story, 210 x 269 ft., rein.-con. steel and brick pump and engine manufacturing plant, brick and concrete foundation, on Key Highway, to J. E. Marshall & Son, 121 Mercer St. Cost between $75,000 and $100,000. Noted Jan. 2.

★**O., Cleveland**—Ohio Metal Briquetting Co., 907 Schofield Bldg., let contract building 1 story, 52 x 177 ft., brick, rein.-con. and steel factory, rein.-con. flooring, at 401 Literary Rd., to Crowell Lundoff Little Co., 5716 Euclid Ave. About $30,000. Noted Nov. 7.

★**Ill., Hillsboro**—Amer. Zinc, Lead & Smelting Co., 1000 Pierce Bldg., St. Louis, Mo., will build 4 story, 40 x 60 x 40 ft. brick and concrete packing house, rein.-con. flooring and concrete foundation. Work will be done by day labor. About $25,000. C. A. Wettengel, purch. agt.

★**Ia., Dubuque**—Liberty Tractor Co., 803 Main St., let contract building 1 story factory, to A. Zwack, 13th and Clay Sts. About $25,000.

★**Neb., Omaha**—Overland Tire & Rubber Co., 1019 W. O. W. Bldg., let contract building 2 story, 80 x 300 ft. rein.-con. and brick factory on 30th and Taylor Sts., to Vaughn Constr. Co., Keeline Bldg.

★**Mo., St. Joseph**—Swift & Co., Union Stock Yards, Chicago, let contract building 3 story, 51 x 52 ft. brick and rein.-con. power house, to Lehr Constr. Co., 1712 Frederick Ave. About $40,000.

★**Mo., St. Louis**—Best Clymer Mfg. Co., Virginia and Davis Aves., let contract building 3 and 4 story, 50 x 236 ft., brick, rein.-con. and steel addition to factory, rein.-con. flooring and concrete foundation, at 400-418 Poepping St., to H. G. Clymer, Wainwright Bldg. About $30,000.

★**Mo., St. Louis**—See "Miscellaneous."

★**Cal., Los Angeles**—Globe Grain & Milling Co., 901 East 3rd St., let contract building two 40 x 80 ft. and 40 x 60 ft., rein.-con. and timber hydrogen and oxygen plants, on 51st St. and Santa Fe Ave., to Leonardt & Peck, 721 H. W. Hellman Bldg. About $25,000; percentage basis.

★**Cal., Los Angeles**—S. Van Nuys, Van Nuys Bldg., let contract rebuilding 4 story, 74 x 165 ft., brick and timber factory on San Pedro St., to J. P. Alpeter, Fox Ferguson Bldg. About $35,000.

★**Cal., Sacramento**—Northern California Milk Producers Assn., California Fruit Bldg., let contract building rein.-con. creamery, to Clinton Constr. Co., 357 Pine St., San Francisco. About $125,000. Noted July 4.

Buildings

PROPOSED WORK

Mass., Wakefield—High School—Town Com. receives bids in spring. About $275,000. Hartwell, Richardson & Driver, 27 State St., Boston, archt. Noted Jan. 17.

Conn., Hartford—Office—Connecticut General Life Insurance Co., 64 Pearl St., having plans prepared by J. O. Rogers, archt., 470 4th Ave., New York City, building on Elm St. About $500,000.

N. Y., Cohoes—School—Bd. Educ. plans to build 2 story, steel and brick, concrete foundation. About $210,000. Tucker & Marsh, 101 Park Ave., New York City, archts.

N. Y., New York—School—New York State Veterinary College, 338 West 26th St., having preliminary sketches made by Cady & Gregory, archts., 40 West 32nd St., for 4 story, 74 x 95 ft., steel and brick, concrete foundation, on 1st Ave. and 27th St.

N. J., Bayonne—School—Bd. Educ. soon receives bids building addition to P. S. No. 11, 23rd St. and Ave. A. About $65,000. Noted Dec. 5.

N. J., Glassboro—School—State Bd. Educ., Trenton, purchased site and plans to build Normal School here. About $300,000. F. H. Bent, Bound Brook, archt.

N. J., New Brunswick—School—Bd. Educ. had plans prepared by A. Merchant, archt., 363 George St., for 3 story, 175 x 175 ft., brick and concrete, on Livingstone Ave. About $400,000. A. L. Smith, pres. Noted Jan. 2.

Md., Baltimore—Store and Office—Safe Deposit & Trust Co., 13 South St., plans to alter and build 5 story, rein.-con., steel and brick addition on Charles and Clay Sts. About $50,000. J. J. Nelligan, pres. T. W. Pietsch, 1210 Amer. Bldg., archt.

S. C., Greenville—Schools—City plans election to vote on $150,000 bonds to build schools. W. F. B. Haynesworth, city engr.

Ga., Macon—See "Streets & Roads."

Ala., Florence—Opera House—Princess Amusement Co. had plans prepared by G. D. Waller, archt., Florence, for 67 x 125 ft., brick and concrete; concrete flooring. About $50,000.

Ky., Dawson Springs—Hotel, etc.—Karlsbad Hotel Co. of America plans to build 8 story, 450 x 650 ft. rein.-con. and brick hotel, to include casino, sanitarium, clubhouse, bath house, etc. About $4,000,000. W. W. Ahlschlager, 133 West Washington St., Chicago, archt.

O., Sandusky—Hotel—D. Olmsted, c/o H. L. Stevens & Co., archts., Karpen Bldg., Chicago, had plans prepared building 6 story, 75 x 130 ft., brick and rein.-con., rein.-con. flooring and concrete foundation. About $200,000.

Mich., Detroit—Theater—H. Koppin, Breitmeyer Bldg., having plans prepared by E. G. Kiehler and C. H. Crane, archts., 2-25 Dime Bank Bldg., for 2 story, brick, rein.-con. and steel, concrete foundation, on Gratiot Ave. and Raynor St. About $75,000.

Mich., Grand Rapids—Convent—Dominican Sisters soon receive bids building T-shaped convent to be 4 story, 40 x 380 ft., 34 x 160 ft., 68 x 140 ft., 34 x 192 ft. and 68 x 140 ft., brick and rein.-con., concrete foundation. About $350,000. Noted Nov. 28.

Ill., Chicago—Bank and Office—J. K. Cady, archt., 179 West Washington St., receives bids in February, building 2 story, 35 x 95 ft. rein.-con., rein.-con. flooring and concrete foundation on Crawford Ave. and 12th St., for J. J. Kostner, 1404 Independence Blvd. About $65,000.

Ill., Chicago—Hospital—Chicago Union Hospital, 834 Wellington St., having plans prepared by Wheelock & Shank, archts., 64 West Randolph St., building two 4 story, 45 x 90 ft. and 45 x 102 ft., brick and rein.-con. additions, rein.-con. flooring and concrete foundation. About $200,000.

Ill., Chicago—Hotel—W. W. Ahlschlager, archt., 133 West Washington St., receives bids about Jan. 15, for 10 story, 70 x 135 ft. rein.-con. and brick, rein.-con. flooring and concrete foundation on Garfield Ave. and Lincoln Park W., for Lott Hotel Co., 2100 Lincoln Park W. About $750,000. Noted Dec. 12.

Ill., Chicago—Hotel and Baths—Kercher Hotel & Bath Co., 505 South Wabash Ave., plans to build 12 story, 80 x 170 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation, at 414 South Wabash Ave. Cost over $1,000,000. W. W. Ahlschlager, 133 West Washington St., archt.

Ill., East St. Louis—International Y. M. C. A., 19 South La Salle St., Chicago, plans to build two buildings, one for white boys, cost, $50,000, and one for negroes, $25,000. T. F. Evans, secy.

Wis., Milwaukee—Hospital—City having plans prepared by C. E. Mallg, city archt., for two 2 story, 54 x 100 ft. rein.-con., steel and brick wings to hospital on 13th Ave. and Mitchell St. About $175,000.

Wis., Milwaukee—School—Bd. Educ., 10th and Prairie Sts., plans to build 2 story, 180 x 19 ft. rein.-con., steel and brick, concrete foundation on Greenbush Ave. About $250,000. Van Ryn & De Gelleke, 114 Grand Ave., archts.

Minn., Minneapolis—School, Hall, etc.—University of Minnesota plans to build addition to high school, cost, $50,000; addition to Shevin Hall, $25,000; veterinary building at University Farm, $25,000; business building, $260,000. G. H. Hayes, comptroller.

Kan., Atchison—Armory—Atchison Co. plans election to vote on $100,000 bonds to build 100 x 120 ft. armory to serve as convention hall.

Kan., Pratt—School—Bd. Educ. soon lets contract building 3 story, 86 x 200 ft. brick and rein.-con. school and 1 story, 40 x 44 ft. boiler house. About $175,000. W. E. Hulse & Co., Hutchinson, archts.

Mo., Concordia—College—St. Paul's College had plans prepared by C. F. May, archt., Merchants Laclede Bldg., St. Louis, for 3 story, 43 x 125 ft. and 52 x 80 ft., brick and stone living room and gymnasium, rein.-con. flooring. About $60,000.

Mo., Joplin—Y. M. C. A., 117 East 4th St., receives bids about Mar. 1, building 4 story, 103 x 129 ft. brick and rein.-con. About $150,000. J. S. Gravelle, secy. Smith, Rea & Lovitt, 602 Finance Bldg., Kansas City, archts.

Mo., St. Louis—Bank and Office—St. Louis Union Trust Co., 4th and Locust Sts., plans to build on 7th and Locust Sts. Address J. H. Grover, vice pres.

Mo., St. Louis—Hotel—A. A. Busch, 9th and Pestalozzi Sts., plans to build on west side 12th St. from Market to Chestnut Sts. About $2,000,000.

Tex., Fort Worth—Office—W. T. Waggoner, 1st Natl. Bank Bldg., having plans prepared by Sanguinet & Staats, archts., 1st Natl. Bank Bldg., for 16-story, 75 x 95 ft., on 8th and Houston Sts.

Buildings (Continued)

Cal., **Pomona**—Y. M. C. A. having plans prepared by R. H. Orr, archt., 1301 Van Nuys Bldg., Los Angeles, building 4 story, 125 x 150 ft., brick, rein.-con. flooring, concrete foundation. About $75,000 available; campaign to raise $75,000 more will be inaugurated.

N. B., Moncton—Hospital—City plans to build addition. About $60,000. J. S. Magee, clk.

Ont., Kingston—Hospital—General Hospital Bd. plans to build additional wings. About $200,000. B. Taylor, pres.

Ont., London—School—City plans election to vote on $250,000 by-law to build brick and stone medical school.

Ont., London — Medical School — City voted $100,000 bonds to build in connection with Western University. Noted Dec. 12.

Ont., Niagara Falls—Administration—City plans to build at Queen Victoria Park. About $100,000.

Ont., Port Arthur—Court House—City plans to build. About $150,000.

Ont., Sault Ste. Marie—Court House—Algoma Co. plans to build. About $200,000.

Ont., Toronto—Hospital—Bd. Control plans to build reception hospital. About $50,000.

Ont., Toronto—Hospital—Provincial and Federal Governments plan to build hospital about 15 mi. from here, for Soldier's Civil Re-establishment Dept. About $500,000.

Ont., Toronto—Schools—City plans to purchase sites and build 4 new schools. About $750,000. C. A. Brown, chn. finance com.

Ont., Weston—School—Town plans election to vote on $60,000 bonds to build school. J. Taylor, clk.

Man., Winnipeg—Home—Dominion Government plans to build 550 x 1000 ft. Home for Deaf. About $500,000.

Sask., Regina—School—City plans election to vote on $125,000 bonds to build school. J. H. Cunningham, secy. bd. educ.

BIDS DESIRED

Conn., Hartford—Theatre—Until Jan. 20, by T. W. Lamb, archt., 644 8th Ave., New York City, building 3 story, 120 x 158 ft. brick and steel, concrete foundation on Main St., here, for S. Z. Poli, 24 Church St., New Haven. About $125,000.

N. J., Asbury Park—Church—Until Jan. 25, by L. E. Smith, archt., 2 West 47th St., New York City, building 2-story, 70 x 190 ft., steel and brick, concrete foundation, for 1st Methodist Episcopal congregation. About $150,000. Noted Oct. 10.

Fla., Melbourne—School—Until Feb. 3, by Bd. Educ., Brevard Co., building 2 story, 80 x 183 ft. school and 54 x 72 ft. auditorium extension, rein.-con. frame and hollow tile. About $60,000. S. J. Overstreet, supt. A. E. Lewis, Real Estate Bldg., Miami, archt. Noted Aug. 15.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Ill., Chicago**—Office—C. Rubens, c/o A. S. Alschuler, archt., 28 East Jackson St., let contract building 8 story, 122 x 286 ft. rein.-con. and brick, rein.-con. flooring, concrete foundation, on Harrison and Paulina St., to J. W. Snyder Co., 122 South Michigan Ave. About $50,000. Noted Dec. 26.

★**Ia., Stanton** — Orphanage — Swedish Lutheran congregation let contract building 2 story, 32 x 45 ft. to C. W. Johnson, Chariton. About $65,000.

★**Minn., Minneapolis**—Settlement House—North East Neighborhood House, 15th Ave. N. E., and 2nd St., let contract building 3 story, 50 x 80 ft. with 2 story, 42 x 75 ft. wing, concrete and brick, concrete foundation, to Pike & Cook, 416 South 5th St. About $60,000.

★**Mo., St. Louis**—Mercantile—N. Frank Real Estate Co., Century Bldg., will alter 75 x 174 ft. brick, concrete and steel, on Bway. and Washington Ave. Work will be done by day labor. About $50,000.

★**Cal., Los Angeles**—Mausoleum—Rosedale Mausoleum Co., 308 Haas Bldg., let contract building 2 story, 91 x 308 ft. rein.-con. at Rosedale Cemetery containing 1750 crypts, chapel, 2 columbariums, etc., to J. S. Fluor, Santa Ana. About $200,000.

★**Ont., Burlington**—Hospital—Dept. Pub. Wks., Ottawa, let contract building active treatment ward for military hospital, here, to Pigott, Healy Constr. Co., 36 James St., S. Hamilton. Noted Dec. 5.

Federal Government Work

PROPOSED WORK

N. Y., Brooklyn—Heating and Ventilating Systems—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install in Building "D" at Naval Building Reservation; Spec. 3744. About $40,000.

N. Y., Ward's Island—Refrigerating Plant Equipment—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install; Spec. 3749. About $30,000.

N. Y., West Point—Quarters and Barracks—Constr. Div., War Dept., Wash., D. C., soon receives bids building 1-story, 49 x 390 ft. barracks and quarters at West Point Military Academy. About $500,000.

Md., Baltimore—Hospital—U. S. Government having plans prepared for doubling capacity of Evergreen Junior, U. S. Genl. Hospital No. 7. Work consists of 5 new buildings, etc. About $500,000.

Md., Indianhead — Houses — Bureau Yards & Docks, Navy Dept., Wash., D. C., postponed building Type "D" apartment houses; Spec. 3696. (Specifications and plans not prepared in time.) About $70,000. Noted Jan. 2.

D. C., Wash.—Sewer—Dist. Comrs., Dist. Bldg., soon let contract building James Creek Valley Trunk sewer involving 6000 cu.yd. excav., 1600 yd. concrete masonry and 10 yd. sewer brick masonry.

Va., Newport News—Emergency Hospital — Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build; Spec. 3750. About $500,000.

Fla., Santa Rosa—Sewer and Water System—Bureau Yards & Docks, Navy Dept., Wash., D. C., postponed project; new bids to be opened at local yard; Spec. 3634. Noted Nov. 14.

Mich., Frankfort—Dredging Harbor—U. S. Eng. Office, Grand Rapids, plans to deepen and improve harbor. About $700,000. L. W. Goddard, engr.

Ore., Marshfield—Channel Improvement—Com. on Rivers and Harbors, Wash., D. C., appropriated $204,000 for inner channel project. Plans include bar dredging and entrance work at Marshfield.

Cal., South San Francisco—Cottages and Sewer System—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build 2 double cottages, 4 room cottage and install sewer system; Spec. 3742. About $9000.

BIDS DESIRED

N. Y., Rockaway—Heating System—Until Jan. 20, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing in Hangars C, D and E; Spec. 3722. About $25,000; $10 deposit required for plans and spec. Noted Dec. 19.

D. C., Wash.—Sewers—Until Jan. 14, by Dist. Comrs., Dist Bldg., building sewers involving 140 lin.ft. 7 x 7 ft. concrete sewer and 1065 lin.ft. 6 x 6 ft. concrete sewer.

Va., Hampton Roads—Oil Storage Buildings, etc.—Until Jan. 20, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building oil storage and reclaim building and photograph laboratory; Spec. 3714. About $20,000; $10 deposit required for plans and spec. Former bids rejected. Noted Dec. 19.

Tex., North Ft. Worth — Gas Holders, Removing System, etc.—Until Jan. 20, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building 5 gas holders and C02 removal system at Argon Production plant; Spec. 3594. About $120,000. Noted Dec. 5.

Idaho, Boise—Irrigation—Until Jan. 18, by U. S. Recl. Serv., Boise, building 9 mi. earth canal on Black Canyon extension of Boise project. Work involves 190,000 cu.yd. excav. to be let in sections of 2000 yd.; 178,000 cu.yd. dry earth excav., 5000 cu.yd. loose dry rock excav. and 7000 solid dry rock excav. About $50,000. D. W. Cole, engr.

Cal., Inglewood—Cottages and Sewer System—Until Jan. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building 2 double quarters and one 4 room quarters, also installing sewer system to connect with Los Angeles City sewer; Spec. 3740. About $9000; $10 deposit required for plans and spec.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Me., Caribou—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 6, building here, from I. F. Woodbury & Son Co., 185 Summer St., Boston, Mass., $68,998; O. Nelson Co., 194 Exchange St., Bangor, $69,700; T. F. Moreau & Co., Lewiston, $72,857. Noted Dec. 5.

★**Mass., Chatham**—Boiler House, Heating and Draining Systems—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building boiler house, and installing heating and draining systems, etc., to Coleman Bros., 1 Marginal St., Chelsea, $45,025 (30 days). Noted Jan. 2.

Mass., Hingham—Railroad Track—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Jan. 6 building at Naval Ammunition Depot.

(1) clearing. (Monthly payments will be based on actual number of sq.ft. of clearing completed and accepted and unit contract price for 10,000 sq.ft.)

(2) grading. Monthly payments will be based on actual number of cu.yds. completed and unit contract price per cu.yd measured in excav. and placed in final position.

Contract price per cu.yd. shall include excav. of material by any method whatever, loading, transportation and deposit of same in manner described by these specifications.

(3) culverts. Unit contract price for this item may for purposes of monthly payments be separated in schedule of prices to cover proper proportional payments for number of lin.ft. of culvert pipe delivered and accepted and for actual number of lin. ft. of culvert installed measured in place.

(4) ballast. Unit contract price per cu. yd. shall be for ballast in place, measured in place. Monthly payments will be based on actual number of cu.yds. in place, measured in place and unit contract price.

(5) track timbers. Unit contract prices for this item may, for purposes of monthly payments, be separated in schedule of prices to cover proper proportional parts for number of ties and sets of switch timbers delivered and accepted and for actual number of ties and sets of switch timbers installed.

(6) installation of tracks (a) and (b) unit contract for this item may, for purposes of monthly payments, be separated in schedule of prices to cover proper proportional payments for material delivered and accepted and for number of lin.ft. of track installed and number of turnouts installed. (c) and (d) Monthly payments will be based on actual number of lin.ft. of track installed and for actual number of turnouts installed. No separate payments will be made for preparatory work on same prior to installation.

(7) miscellaneous work. As specified in paragraph 89, from

Kennedy & Peterson Constr. Co., 7 Water St., Boston, Mass., (1) $20; (2) $3; (3) $.75; (4) $1.50; (5a) $1.30; (5b) $80; (6a) $2.95; (6b) $3; (6c) $1.45; (6d) $95 (60 days).

C. M. Leach, P. O. Box No. 2285, Boston, Mass., (1) $.03 per sq.ft.; (2) $1.55; (3) $1.55; (4) $2; (5a) $2; (5b) $28; (6b) $2; (6b) $1.65; (6c) $0.75; (6d) $45 (90 days).

Coleman Bros., 1 Marginal St., Chelsea, Mass., (1) $100; (2) $1.35; (2a) $5; (3) $1.80; (4) $.70; (6c) $1.25; (6d) $150 (70 days).

A. A. Johnson, Van Buren St., Long Island City, N. Y., (1) $100; (2) $3; (4) $4; (5) $1.50; (5a) $2.70; (5b) $140; (6a) $2.00; (6b) $2.50; (6c) $.75; (6d) $100 (75 days).

Hasson Pavement Co., 902 Chapel St., New Haven, Conn., (1) $50; (2) $1.30; (3) $1.50; (4) $2; (6c) $1.50; (6d) $100. Noted Dec. 19.

Mass., Newburyport—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 3, from Franco Amer. Constr. Co., 150 Nassau St., New York City, $81,761; M. E. O'Conner, Northampton, $94,500; C. S. Cunningham & Son, 7 Water St., Boston, $97,300. Noted Dec. 5.

Conn., New London—Completing Building—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Jan. 6 installing walls and doors for building for nets, at Submarine Base, (1) (work complete), (2) price and time for installing concrete floor as specified under alternative No. 1 from C. M. Leach, P. O. Box, 2285, Boston, Mass., (1) $13,393 (80 days); Hamilton & Chambers Co., 29 Bway., New York

Federal Government Work (Continued)

City, (1) $18,200 (60 days), (2) $10,170 (30 days), (3) $17,900 (60 days); H. E. Fox Constr. Co., 81 East 125th St., New York City, (1) $19,940 (60 days), (2) $9910 (45 days), (3) $8960 (60 days). Noted Jan. 2.

N. Y., Brooklyn—Extension "A" to Power Plant — Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Dec. 30:

(1) net price and time for work, complete, in accordance with drawings and specifications using cast in place slabs with pitch and gravel or slag roof,

(2) net price and time added or deducted from (1) for each pile in excess of or less than number shown on drawings based on length of 45 ft. from point to cut-off,

(3) net price and time added or deducted from (1) for each linear foot of pile in excess of or less than length specified above,

(4) net price and time added to or deducted from (1) if asphalt and gravel or slag roofing is used,

(5) net amount added to or deducted from (1) if asphalt impregnated asbestos felt roofing is used,

(6) net price and time added to or deducted from (1) if gypsum precast tile slab roof is furnished, from

E. Dietsch, 383 Madison Ave., (1) $101,000 (140 days), (2) add $20, deduct $12.

Post & McCord, 101 Park Ave., (1) $101,800 (150 days), (2) add $25, deduct $22, (3) add $0.60, deduct $0.50, (4) deduct $50, (5) add $75, (6) deduct $100.

Rangely Constr. Co., 401 Lexington Ave., (1) $102,448 (150 days), (2) add $29, deduct $25, (3) $0.65, deduct $0.55, (6) deduct $100. All contractors of New York City. Noted Dec. 10 under "New York."

★**N. Y., Rockaway**—Gasoline Piping, Tanks, etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract, to C. Meads & Co., 38 Park Row, New York City, $21,120 (90 days). Noted Jan. 2.

N. Y., Stapleton—Nurses' Quarters—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Dec. 30, building at Marine Hospital (work complete), from B. Diamond, 12 Bergen St., Brooklyn, $19,500; Rangley Constr. Co., 405 Lexington Ave., New York City, $19,600; Northeastern Constr. Co., 225 5th Ave., New York City, $20,692. Noted Dec. 19.

N. J., Cape May—Additional Buildings—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Dec. 30, building at Naval Air Sta., (1) price and time for work complete, (2) price added to or deducted from (1) for each pile in excess of or less than number shown on drawing, based on length of 25 feet from point to cut off, (3) price added to or deducted from (1) and (2) for each linear foot of pile in excess of or less than length specified above, (4) price to be added to or deducted from (1) if material, as specified under alternative No. 1 is used, from

Post & McCord, 101 Park Ave., New York City, (1) $128,000 (180 days), (2) add $21, deduct $18, (3) add $1, deduct $0.80, (4) deduct $200.

M. H. McCloskey, Jr., 1620 Thompson St., Phila., (1) $138,138, (2) add $28, deduct $6, (3) add $1.10, deduct $0.05.

H. S. Roberts & Co., 1123 Bway, New York City, (1) $139,500 (185 days), (2) $13, (3) add $0.80, deduct $0.50, (4) deduct $350. Noted Dec. 12.

Pa., Ft. Mifflin—Altering Marine Barracks—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Dec. 23, for work at Ammunition Depot (work complete), from J. M. Yardley Co., 1716 Samson St., Phila., $9193 (59 days); J. S. Rogers Co., Drexel Bldg., Phila., $9927 (60 days). Noted Dec. 12.

★**Pa., Phila.**—Heating System—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing in extension at U. S. Marine Corps. Reservation, to Raisler Heating Co., 129 Amsterdam Ave., New York City, $25,506 (90 days). Noted Nov. 28.

Pa., Phila.—Mechanical Stokers—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids furnishing stokers, driving engines and auxiliaries at (a) power plant, (b) aircraft factory, here, from Westinghouse Electric & Mfg. Co., 803 Hibbs Bldg., Wash., D. C., (a) $32,500, alternate $28,000; (b) $12,400, alternate, $11,000; Sandford-Riley Stoker Co., 25 Foster St., Worcester, Mass., (a) $36,660, alternate, $28,510; (b) $12,700; Amer. Eng. Co., Aramingo and Cumberland Sts., (a) $33,185, alternate, $28,386; (b) $12,565, alternate, $11,170.

★**Pa., Phila.**—Water Supply, Sewer and Drainage Systems—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building at Grays Ferry Rd., to H. Lodge, Inc., 1633 Ranstead St., $29,875 (75 days). Noted Jan. 2.

D. C., Bellevue—Railroad—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Jan. 6, building at Naval Magazine, work complete, from Hyde & Baxter, 711 13th St., Wash., $23,875 (40 days); G. F. Pawling & Co., 1432 South Penn. Sq., Phila., $27,385 (40 days); L. J. Sieling, 1270 Bway., New York City, $42,892 (40 days). Noted Dec. 19.

D. C., Wash.—Cranes—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Dec. 30, installing two 20-ton electric traveling cranes in tool shop and miscellaneous shop, at Navy Yard, here, (1) price and time, for cranes complete on runways, in accordance with drawing and specification, (2) price and time for cranes complete on runways in accordance with bidders specifications, (3) price of spare parts for each crane as called for in paragraph 20 of the standard specification for "Electric Traveling Cranes" from Chesapeake Iron Wks., Westport, Md., (2) $18,700 (150 days); Toledo Bridge & Crane Co., Dorr St. and Lake Shore R. R., Toledo, O., (2) $23,000 (120 days); Niles-Bement-Pond Co., 111 Bway., New York City, (2) $29,910 (150 days); Manning, Maxwell & Moore, 119 West 40th St., New York City, (1) $30,110 (70 days). Noted Dec. 12.

D. C., Wash.—Radial Block Chimneys—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Dec. 30, building at Navy Yard here, (1) price and time, work complete; (2) price and time, work complete, in accordance with bidders' detail drawings and specifications. In case a bid is based on this item, a separate letter so stating full and complete specification detailing just what bidder proposes to furnish shall accompany proposal, from W. H. Kellogg Co., 90 West St., New York City, (1) $48,200 (120 days), (2) $35,990 (120 days); A. Custodis Chimney Co., 95 Nassau St., New York City, (1) $52,000 (120 days), (2) $38,500 (120 days); H. R. Heinicke, Inc., 147 4th Ave., New York City, (1) $52,765 (135 days), (2) $42,855 (135 days), (3) $39,680 (130 days). Noted Dec. 19.

★**Va., Alexandria**—Pier and Bulkhead—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract, to McLean Constr. Co., 1415 Fidelity Bldg., Baltimore, Md., $36,711 (90 days). Noted Jan. 2.

★**Va., Hampton Roads**—Heating Plant—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract, to Wise Granite Constr. Co., Amer. Natl. Bank Bldg., Richmond, $83,300 (45 days).

Va., Norfolk—Kitchen and Diet Equipment—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Jan. 6:

(1) net price and time for work, complete in accordance with drawings and specification.

(2) amount and time to be added to (1) if all waste vent, water supply, steam supply and electric connections to outlets at locations of equipment and all other connections with valves and fittings required for satisfactory installation of all equipment ready for operation, be made by contractor from Bramhall Deane Co., 261 West 36th St., New York City, (1) $19,200 (60 days); Rod Iron Range Co., 6 Portland St., Boston, Mass., (1) $19,432 (60 days); (2) add $5500;

Stearnes Co., 1523 South Michigan Ave., Chicago, (1) $20,000 (60 days). Noted Jan. 2.

Va., Norfolk—Mechanical Stokers—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids furnishing stokers, driving engines and auxiliaries at navy yard, here, from Westinghouse Electric & Mfg. Co., 803 Hibbs Bldg., Wash., D. C., $21,900, alternate $18,100 (120 days); Sandford-Riley Stoker Co. 25 Foster St., Worcester, Mass., $22,100, alternate, $19,290 (120 days); Amer. Eng. Co., Aramingo and Cumberland Sts., $22,405. Alternate, $19,164 (120 days).

★**Va., Petersburg**—Paving—U. S. Government sublet contract paving roadway of East Bank St. from Madison St. to city limits, to M. A. Finn, Finn Bldg.; on percentage basis. Government will pay all cost over $15,000 appropriated by city. Total cost, $30,000. Noted Dec. 26 under "Streets & Roads."

★**Va., Quantico**—Painting Old Buildings—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract to Barker Painting Co., 138 West 38th St., New York City, $36,000, time Feb. 1.

Va., Yorktown—Extension to Naval Mine Depot—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids (1) price and time, work complete, in accordance with drawings and specifications (2) amount to be deducted from (1) if window guards in front of 1st story dormitory windows of barracks for 500 men are omitted, from Hughes Foulkrod Co., 1406 Commonwealth Bldg., Phila., (1) $309,977 (178 days); Boyle Robertson Constr. Co., 501 Evans Bldg., Wash., D. C., (1) $314,813 (175 days), (2) $900; Consolidated Eng. Co., 243 Calvert Bldg., Baltimore, Md., (1) $324,000 (150 days), (2) $500.

W. Va., South Charleston — Electric Traveling Crane—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Dec. 30, installing in foundry and forge shop at Naval Ordnance Plant, (1) price and time of delivery for one 60-ton crane complete, delivered on board cars here, ready for installation, in accordance with this specification and accompanying drawing and services of superintendent to supervise and assist in installation of crane and making of tests (2) price of spar parts as specified in paragraph 41, from Whiting Fdry. Equipment Co., Harvey, Ill., (1) $29,350; Chesapeake Iron Wks., Westport, Md., $31,000 (150 days); Cleveland Crane & Eng. Co., Wickliff, O., (1) $31,400 (150 days).

N. C., Monroe—Radio Buildings, Garage, etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Dec. 30, building radio buildings, garage, barracks and 3 officers' quarters at Southern Radio Sta.,

(1) net price and time for work complete in accordance with the drawings and specifications,

(2) net price and time for 1 cottage for commanding officers' quarters complete in accordance with the drawings and specifications,

(3) net price and time for each of petty officer's quarters complete in accordance with the drawings and specifications,

(4) net price and time for operators' quarters for 50 men complete in accordance with drawings and specifications,

(5) net price and time for marine barracks for 76 men complete in accordance with the drawings and specifications,

(6) net price and time for operating building complete in accordance with the drawings and specifications, including cranes,

(7) net price and time for garage complete in accordance with the drawings and specification, including tank and pump.

(8) price per cubic yard to be added to (1) and (6) for each cubic yard of concrete placed for machinery and boiler foundations in operating building; quantity required will be ascertained after award of contract. Price bid shall include all excavation, grading, filling, and removal of earth,

(9) price per cubic yard for rein-con. floor in operating building, including beams, slabs, reinforcement and all necessary labor and forms. It is assumed that floor shall be required to sustain a live load of 250 pounds per square foot,

(10) price per cubic yard for plain concrete floor in basement of operating building,

(11) amount to be deducted from (1) and (6) if 2 cranes specified are omitted,

(12) amount to be deducted from (1) and (6) if 1 of 2 cranes specified is omitted, from

Dawson Constr. Co., 810 Union Trust Bldg., Wash., D. C., (1) $237,000 (150 days), (8) $20, (9) $25, (11) $10,000, (12) $5000.

A. C. Moses Constr. Co., 916 New York Ave., Wash., D. C., (1) $237,104 (200 days), (2) $13,068 (120 days), (3) $7640 (120 days), (4) $35,429 (150 days), (5) $42,885 (200 days), (6) $122,628 (200 days) (7) $8234 (120 days), (8) $17, (9) $28.50, (10) $14, (11) $4170, (12) $2085.

Post & McCord, 101 Park Ave., New York City, (1) $237,450 (240 days), (8) $24, (9) $40, (10) $18, (11) deduct $4800, (12) deduct $2400. Noted Dec. 12.

N. C., Monroe—Water Supply and Sewer System—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids building at Naval Radio Sta., here,

(1) Net price and time for entire work, exclusive of well, casing and pump, complete, in accordance with drawings and specifications.

(2) Net price and time for well, casing and pump, complete based on depth of 250 ft. in accordance with drawings and specification. Pump and motor under this item shall be suitable for maximum depth of 350 ft.

(3) Net price per ft. of well, casing and pump rod for each ft. in excess of 350 ft.

Federal Government Work (Continued)

(4) Net price per ft. of well, casing and pump rod for each ft. in excess of 350 ft. to maximum depth of 500 ft.

(5) Net amount to be added to (2) for larger pump and motor required if well is carried deeper than 350 ft. to maximum depth of 500 ft.

(2a), (3a), (4a) and (5a) Under these items bids will be received on work outlined in (2), (3), (4) and (5), but substituting for deep well pump and motors, air lift pump, motor-driven air compressors, air booster, and other necessary accessors, increasing size of pump-house to accommodate air compressors. These items shall include all material and work necessary for complete air-lift system and are alternatives for deep-well pump system, from

J. L. Sweigard & Co., 1120 Lincoln Bldg., Phila., Pa., (1) $32,240, (150 days); (2) $8140; (3) $21; (4) $21; (5) $1500.

N. Clifford Co., 322 28th St., Newport News, Va., (1) $34,500—(6 months); (2) $12,075; (3) $30; (4) $35; (5) $415.

Dawson Constr. Co., 810 Union Trust Bldg., Wash., D. C., (1) $45,675 (150 days); (2) $12,200; (3) $20; (4) $35; (5) $1500. Noted Dec. 19.

S. C., Lancaster—Post Office—J. A. Wetmore, superv.-archt., treas. dept., Wash., D. C., received bids Jan. 6, building here (1) limestone; (2) sandstone, from A. Blair, 11 South Lawrence St., Montgomery, Ala., (1) $52,950; Westchester Eng. Co., 116 Main St., White Plains, N. Y., (1) $55,900; (2) $56,400; R. P. Farnsworth & Co., Owensboro, Ky., (1) $57,960. Noted Dec. 5.

★**S. C., Paris Island**—Extension to Heating System and Power House—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract, to Tyler-Underground Heating System, 855 Progress St., Pittsburgh, Pa., $89,797 (100 days). Noted Dec. 12.

★**Fla., Pensacola**—Removing Old Piles—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract removing old piles from Warrington Barracks, to C. N. Turner & Co., Lobby Brent Bldg., $2142 (45 days). Noted Dec. 12.

Ala., Montgomery—Altering Court House and Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Dec. 30 (work complete), from Jeffry Bros., Montgomery, $9723; G. A. Clayton, Atlanta, Ga., $9739. Noted Dec. 19.

Ill., Mt. Carmel—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 3, limestone, from H. G. Mitchell, Scottsburg, Ind., $57,000; C. D. Mitchell, Charleston, S. C., $59,999; W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., $61,880. Noted Dec. 5.

Tex., Galveston—Hangars, Pavement and Reach—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Jan. 6, building at Naval Air Sta.:

(1) Net price and time for work, complete, in accordance with drawings and specifications.

(2) Net price and time added to or deducted from net price and time for work complete as required in (1) by using asbestos-covered metal in lieu of asbestos shingles over sheathing for walls and built-up roofing over sheathing for roof as specified in alternative No. 1.

(3) Net price and time added to or deducted from net price for work, complete, as required in (1), by using asbestos-covered metal for walls in lieu of asbestos shingles over sheathing. The asbestos covered metal will be as specified in paragraph 105, and will be secured direct to studs and girts.

(4) Net price to be added to or deducted from net price for work complete as required in (1) for each pile in excess of or less than number shown on drawing, based on a length of 30 feet from point to cut-off.

(5) Net price added to or deducted from net price for work complete as required in (1) and (4) for each linear ft. of pile in excess of or less than length specified above, from

Dawson Constr. Co., 810 Union Trust Bldg., Wash., D. C., (1) $530,000 (130 days); (2) add $38,000; (3) deduct $2000; (4) add $13, deduct $8; (5) add $0.50, deduct $0.20.

Paschen Bros., 11 West Washington St., Chicago, (1) $534,100—(120 days); (2) $41,000; (3) $15; (5) $0.50.

Newport Contg. & Eng. Co., Law Bldg., Newport News, Va., (1) $600,000 (240 days); (2) add $35,000; (4) add $22.50, deduct $12; (5) add $0.75, deduct $0.40. Noted Dec. 19.

Tex., Galveston—Shops and Industrial Buildings—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Dec. 30, building at Naval Air Sta., (1) price and time, work complete, (2) amount added to or deducted from (1) for each pile in excess of or less than number shown on drawings, based on length of 300 feet from point to cut off, (3) amount added to or deducted from (1) and (2) for each linear foot of pile in excess of, or less than length specified above, from H. F. Friedstedt Co., 327 South La Salle St., Chicago, (1) $157,336 (180 days), (2) $12, (3) $0.40; Dawson Constr. Co., 810 Union Trust Bldg., Wash., D. C., (1) $178,000 (120 days), (2) add $15, deduct $5, (3) add $0.50, deduct $0.15; Krahl Constr. Co., 350 North Clark St., Chicago, (1) $194,991 (180 days), (2) $19, (3) $0.60. Noted Dec. 5.

Tex., North Ft. Worth—Wells and Pumps—Bureau Yards & Docks, Navy Dept., Wash., D. C., received only bid Jan. 6, building 2 wells and installing pumps at Argon production plant, (1) price and time, for wells and pumps, work complete, in accordance with this specification (2) under this item bidders may submit proposals for complete work in accordance with spirit of specification, but with such modifications of methods and details as they desire, from W. Carter, 2643 West Monroe St., Chicago, (1) $79,949 (120 days), (2) $65,400 (120 days), (3) $2. Noted Jan. 2.

Utah, Park City—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 3, from C. Weitz & Sons, 713 Mulberry St., Des Moines, Ia., $38,302; W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., $43,380. Noted Dec. 5.

Cal., San Francisco—Electrical Storehouse—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids work complete, from K. E. Parker, 251 Kearny St., $110,363 (135 days); Clinton Constr. Co., 140 Townsend St., $113,346 (150 days); Lange & Bergstrom, Sharon Bldg., $117,331 (150 days).

Miscellaneous

PROPOSED WORK

Garbage Incinerator—Bridgeport, Conn.—C. C. Fischer & Co., Asylum St., plans to rebuild garbage incinerator recently destroyed by fire. About $35,000.

Monument—Stamford, Conn.—City had plans prepared by G. A. Freeman, archt., New York City, building marble memorial monument with bronze tablets to soldiers and sailors. About $15,000.

Removing and Replacing Dock—Buffalo, N. Y.—Buffalo Union Furnace Co., foot of Hamburg St., plans to remove and replace 400 ft. of collapsed dock. About $200,000. Empire Eng. Co., Morgan Bldg., engrs.

Subway—Rochester, N. Y.—New York Central R.R., Grand Central Terminal, New York City, having plans prepared for subway; also altering several streets. H. W. Kittredge, New York City, ch. engr.

Elimination of Grade Crossings—East St. Louis, Ill.—See "Streets and Roads."

Grand Stand—St. Paul, Minn.—Minnesota State Agricultural Society, State Fair Grounds, plans to build addition and repair grand stand. About $84,500. T. H. Canfield, secy. and mgr.

Flood Protection—Courtney, Mo.—Courtney D. D. having plans prepared by C. E. Jacoby Eng. Co., engrs., 514 Shukert Bldg., Kansas City, for 1000 acres flood protection system along Missouri River and Mill Creek. H. Gentry, Jr., Court House, Kansas City, chn.

Pier—Portland, Ore.—City plans to complete Pier No. 1 at St. Johns Terminal extending covered section to 1200 ft., (to be fitted with automatic sprinkler); widen slip No. 1 distance of 20 ft.; also build Pier No. 2 (open). A. Hegardt, ch. engr.

BIDS DESIRED

Cement, Sand, etc.—New York, N. Y.—Until Jan. 16 by H. Bruckner, pres. Bronx Boro., furnishing and delivering, 750 tons asphaltic cement, 5000 cu.yd. asphalt wearing surface sand, 25 tons paving pitch, 800 tons limestone dust or other suitable inorganic dust, 9500 cu.yd. sand grits, 2000 cu.yd. binder stone, 2000 bags Portland cement, 4500 cu.yd. 1½ in. broken trap rock stone and 2000 cu.yd. broken trap rock stone screenings, forage, 10,000 gal. bituminous road surfacing materials, (for hot use) 150,000 gal. tar road oil and 250,000 gal. asphalt road oil.

Portland Cement, Sand, etc.—New York, N. Y.—Until Jan. 16, F. L. Dowling, pres. Manhattan Boro., furnishing and delivering 10,000 bags Portland cement, 10,000 cu.yd. asphaltic wearing surface sand, grade B, 200,000 gal. refined asphalt; 1500 tons limestone dust; 2500 cu.yd. binder stone; 40,000 gal. gasoline; 300,000 wood paving blocks.

Heating, Plumbing, etc.—Sonyea, N. Y.—Until Jan. 14, by P. L. Lang, pres. Bd. Mgrs., Craig Colony for Epileptics, installing heating, plumbing, draining and electric systems in dining room and kitchen buildings; advertised in this issue.

Dam—Los Angeles, Cal.—Until Feb. 3, by Bd. Supervs. Los Angeles Co., building concrete masonry arch dam 23 ft. high, northwest Pasadena, involving 6000 yd. rock excav., 5000 yd. earth excav., 33,000 yd. concrete with stones embedded, 300 ft. concrete outlet tunnel; 120 ft. concrete spillway, concrete arches supporting roadway on top, etc., for county flood control districts. About $300,000. J. W. Reagan, Court House, ch. engr.

Dump Cars—Winnipeg, Man.—Until Jan. 13, by Comrs. Greater Winnipeg Dist., Tribune Bldg., for 18 6 cu.yd. dump cars, 12 cars made by Canadian Car & Foundry Co., 1916, 6 cars made by Continental Car & Equipment Co., 1917. R. D. Waugh, chn.; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Coal Trestle—Binghamton, N. Y.—State Hospital Comn., Capitol, Albany, received bids Dec. 18 building steel coal trestle at State Hospital here, from Lehigh Structural Steel Co., Binghamton, $24,284; A. E. Stephens Co., Albany, $32,400; Bame & Cardell, 176 Warren St., Albany, $26,148. Noted Dec. 12.

★**Heating and Ventilating Systems—New York, N. Y.**—Bd. Educ. let contract installing systems in P. S. No. 32, to D. J. Rice, 103 Park Ave., $62,797.

★**Shaft—New York, N. Y.**—Pub. Serv. Comn., 49 Lafayette St., let contract completing shaft No. 2 of Route No. 26, Queensboro Subway Rapid Transit R.R., on East 42nd St., to Rice & Carey, 2786 Bainbridge Ave., $99,085. Noted Dec. 26.

★**Repairing Docks—Jersey City, N. J.**—Pennsylvania R. R., Broad St. Sta., Phila., let contract repairing docks in Greenville Terminal Yards, here, to A. N. Spooner & Son, Pier 11, North River, New York City. About $15,000.

Stone—Mt. Holly, N. J.—Bd. Freeholders Burlington Co. received bids for broken stone f.o.b. quarry for year of 1919 as follows: (a) 2½ in. stone, (b) 1½ in. stone, (c) ¾ in. stone, (d) ½ in. stone, (e) screenings, from Lambertville Stone Quarry Co., Lambertville, (a) $1.10, (b) $1.25, (c) $1.40, (d) $1.60, (e) $1.10; Delaware River Quarry & Constr. Co., 190 George St., New Brunswick, (a) $1.20, (b) $1.25, (c) $1.40, (d) $1.75, (e) $0.90; Birdsboro Stone Co., Land Title Bldg., Phila., Pa., (a) $1.20, (b) $1.30, (c) $1.50, (d) $1.80, (e) $1.15.

★**Wharf—Old Town, Fla.**—Seminole Fertilizer & Oil Co., 1958 Herschell St., Jacksonville, let contract building 80 x 300 ft. wharf here, to H. H. Dickey, Brunswick, Ga.

★**Tunnel—Dearborn, Mich.**—Ford Motor Co., Highland Park, let contract building 2000 ft. tunnel and water intake, (tunnel to be 1½ mi. long ultimately) 13 ft. inside diameter, concrete segmental blocks 18 in. thick and 10 blocks to ring, to Hoag & Dall, 510 Commercial Bank Bldg., Cleveland, O. About $500,000.

★**Foundation—Chicago, Ill.**—See "Industrial Works" under Proposed Work.

★**Coal Chute, etc.—St. Louis, Mo.**—Chicago, Burlington & Quincy R.R., 547 West Jackson Bldg., let contract building 1 story coal chute, 1 story engine room and 1 story, 38 x 54 ft. ice house, brick and concrete, rein.-con. flooring and concrete foundation, at 220-228 Humboldt St., to E. D. Otto, Downers Grove, Ill. About $18,000.

★**Levee Work—El Centro, Cal.**—Imperial Irrigation Dist. let contract extending and raising Saiz Levee for distance of 6½ mi., to L. Little, Calexico, $124,800; $0.39 per cu.yd. Work involves 320,000 cu.yd. dry earth excav. Noted Nov. 14.

★**River Improvement—Atwood, Ont.**—Town let contract improving Maitland River, to G. G. Reid, 23 Earlscourt Ave., Toronto. About $31,500. Noted Oct. 31 under "Mitchell."

SEARCHLIGHT SECTION

PROPOSALS

Bids: Jan. 14.

Canal Improvements

STATE OF NEW YORK, OFFICE OF SUPERINTENDENT OF PUBLIC WORKS

Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Tuesday, January 14th, 1919, at which place and hour they will be publicly opened and read, for improving the Cayuga and Seneca canal pursuant to the provisions of Chapter 391 of the Laws of 1909, and Chapter 147 of the Laws of 1903, and amendatory laws, and for improving the New York State canals pursuant to the provisions of Chapter 147 of the Laws of 1903, and of the acts amendatory thereof and supplementary thereto, and Chapter 570 of the Laws of 1915, as follows:

—1—

CONTRACT "T"

Cayuga and Seneca Canal—Section 1.

For extending the core wall and other work at the north end of Dam No. 2, Seneca Falls.

Sheets 1 and 2.

—2—

CONTRACT NO. 197.

Erie Canal—Section No. 2.

For drilling holes in the sill of the dam and the toe of the river wall of the lock, near Rotterdam, and making necessary repairs.

Sheets 1 and 2.

And for the construction of Barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and of the acts amendatory thereof, as follows:

—3—

TERMINAL CONTRACT NO. 102.

For furnishing and installing two three-ton electric semiportal revolving jib cranes on Pier 6, East river, New York City.

Contract plans, sheets 1 to 17 inclusive.

Plans may be seen and detailed specifications, engineer's estimate of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., and at the canal office, Spaulding's Exchange, Buffalo, N. Y.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent.) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank (or trust company in the case of terminal contract, in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent.) of the amount of the proposal.

Official Proposals

Price, $3.60 an inch—Copy can be received until Wednesday, 10 a.m., for issue out the next morning.

The publication of an advertisement on this page is an official notice that bids are wanted from other than local bidders.

It is also a guarantee that maximum competition is invited because Engineering News-Record is the *one* nationally recognized medium for Proposal advertising. Its Searchlight Section is read each week by nearly every worth-while contractor in this country who bids on public work outside his own city.

PROPOSALS

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of each contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent.) of the estimated cost of the work according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10 per cent.) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the state for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and

PROPOSALS

materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner in the judgment of the undersigned, the interests of the state will be enhanced thereby.

W. W. WOTHERSPOON,
Superintendent of Public Works.

Dec. 13, 1918.

Bids: Jan. 14.

Heating, Plumbing, etc.

Sonyea, N. Y.

Sealed proposals for construction, heating, plumbing and drainage and electric work for dining room and kitchen buildings, West Group, Craig Colony for Epileptics, Sonyea, N. Y., will be received by Hon. Percy L. Lang, president of the Board of Managers, Craig Colony for Epileptics, Sonyea, N. Y., until 2 o'clock P.M., on Tuesday, January 14, 1919, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of the proposal. The contractors to whom the awards are made will be required to furnish surety company bonds in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specifications Nos. 3102, 3104, 3105 and 3106. The right is reserved to reject any or all bids. Drawings and specifications and blank forms of proposal may be consulted at the Craig Colony for Epileptics, Sonyea, N. Y., at the New York Office of the Department of Architecture, 1715 Tribune Building, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings and specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, Lewis F. Pilcher, Capitol, Albany, N. Y.

Dated: December 24, 1918.

Bids: Jan. 13.

Sale of Dump Cars

GREATER WINNIPEG WATER DISTRICT

Winnipeg, Man., Can.

Sealed tenders marked "Tenders for sale of Dump Cars."

Addressed to Commissioners, Greater Winnipeg District, Tribune Building, Winnipeg, will be received up to noon on Monday, January 13th, 1919.

18 Six Cubic Yd. Dump Cars.

12 Cars made by Canadian Car & Foundry company, 1916.

6 cars made by Continental Car & Equipment Company, 1917.

Further information may be obtained at the office of the Commissioners.

Highest or any tender not necessarily accepted.

R. D. WAUGH,
Chairman of Commissioners

Dated at Winnipeg December 27th, 1918